



DOHRS

The Defense Occupational Health Readiness System News Bulletin

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U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
ABERDEEN PROVING GROUND, MARYLAND 21010-5422

Fall 1997

Message From the DOHRS Project Manager

Greetings! It has been a long time since our last news bulletin. Much has happened during the past year. Let me update you on the status of the Occupational Health Management Information System (OHMIS) and our transition to the DOD level.

As we told you in the fall 1996 bulletin, the DOD Occupational Health Working Group (OHWG), recently rechartered under DOD Health Affairs (HA), approved Defense Occupational Health Readiness System (DOHRS) as our new name. This name reflects the change in our mission from the Army level to the DOD level. **Actually, we have not yet implemented the DOHRS.** It is, rather, a DOD "target" system to be implemented in the future. Then what will happen to Army OHMIS and to the other six existing OH systems currently in use by the Air Force and Navy?

In August 1997, the DOD OHWG and the Deputy Surgeon Generals of the Air Force, Navy, and Army reconfirmed the selection of OHMIS as the migration system for DOD. Until the DOD OHWG agreed on a system, there could be no funding available for any DOD OH system development.

OHMIS is not going to be deployed to the DOD community. The functionality of OHMIS will be used as the starting point for developing the DOD system. The DOD OHWG recently approved the DOD OH Functional Requirements Document. This document will be used in the transition of OHMIS and the other legacy systems to DOHRS. Once this happens, OHMIS, along with the other identified legacy systems in the Air Force and Navy, will be phased out. Look for more information on this phaseout later in the bulletin. Until the transition to DOHRS is complete, the Army will continue to use and maintain OHMIS.

Use of trademarked names does not imply endorsement by the U.S. Army, but is intended only to assist in identification of a specific product.

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OHMIS Update. *Health Hazard Information Module (HHIM).* In FY97, we deployed version (v) 3.0 of the HHIM throughout the Army. We should have a computer-based training (CBT) package completed later this year.

Hearing Evaluation and Audiometric Reporting System (HEARS). The hearing conservation component of OHMIS, the HEARS, is the first module to migrate to the DOD level. The new name for this module at the DOD level is Evaluating Auditory Readiness Triservice Application or EAR3-A. The "3" denotes the triservice status. If all goes well, we will deploy this component throughout DOD during FY98.

More on the OHMIS modules later in the bulletin.

OHMIS Help Desk. We are in the process of moving our help desk support from Fort Detrick to the Triservice Medical System Support Center (TMSSC) located at Brook Air Force Base in San Antonio, Texas. The TMSSC provides support for many of the other systems within the DOD Military Health Services System (MHSS). Fort Detrick will still support OHMIS until our transition to DOHRS is complete.

DOD Occupational Health Working Group. As mentioned earlier, the DOD OHWG was recently rechartered under DOD HA. Two senior-level representatives from the industrial hygiene (IH) and occupational medicine communities of each of the services serve as members of the OHWG. Other members include the Chairs of the DOD IH

Working Group and the DOD Hearing Conservation Working Group. The DOD OHWG approves the functional requirements for the DOHRS and provides guidance and oversight to the DOHRS Project Office. No requirement will be addressed without the approval of the OHWG. During the past year, the DOD OHWG convened two task forces, one consisting of IH professionals and the other consisting of OH professionals. These task forces were charged with identifying the IH and OH requirements for the DOHRS. The two resulting documents were recently approved by the DOD OHWG. In December 1997, these task forces will review the documents and set priorities. The documents will become the road map for the design and development of the DOHRS.

DOD Occupational Health Functional Requirements. The requirements document will be used to develop the activity and data models for the OH business and ensure data standardization within OH. The models will be mapped to the MHSS activity and data models (FAM-A, FAM-D) and will allow completion of the Software Requirements Specification (SRS) Document. The SRS is the document that will drive the development and design of the DOHRS. It includes all the data requirements, the interface requirements, and decision support requirements of the DOHRS. We recently completed a migration plan for the DOHRS. We had the support of contractors within HA in using a migration planning tool kit developed for HA. The migration plan addresses strategy and steps required for the successful migration of all our identified

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legacy systems to the DOHRS. This is not an easy task. The final product from this effort is a migration project plan that we will use to implement and track the migration process.

Integration within the Clinical Business

Area. The DOHRS is currently identified as a project within the Clinical Business Area (CBA) within HA. By being aligned within the CBA, the DOHRS will be integrated into the future Composite Health Care System (CHCS) II solution. A recent rebaselining of the CHCS II by the CBA Program Office is an excellent example. The DOD Ambulatory Encounter Working Group recently finalized their requirements. These requirements should meet the majority of the Encounter requirements for the entire MHSS, including OH. The procurement action for this solution is imminent. For the occupational medicine component of DOHRS, we will focus our efforts on the specialty requirements that are not met by this Clinical Ambulatory Encounter (CAE) System solution (i.e., the delta between our OH requirements and the CAE requirements). The IH requirements also fall into this category. The CAE solution will be deployed to all identified health care providers within the MHSS, including OH. This is exciting news. I will keep you posted on this as it moves forward.

DOHRS Funding. This is always a difficult issue. There is never enough funding to meet all the requirements - one of the reasons for the CBA Program Office

rebaselining effort. We expect to receive \$2.8 million in FY98. Whether we will use this money for maintenance of existing systems or for continuation of the migration effort is not yet known. Continuing the migration effort is my major objective. I will do all I can to allow this effort to continue.

DOHRS Project Office. During this past year, we have been expanding the DOHRS Project Office to handle the migration effort. We currently use a combination of Government, contractor, and military personnel to manage this process. To date, we have been unsuccessful in getting Navy and Air Force representatives assigned to the DOHRS Project Office. We are very pleased to have CPT(P) Alex Ornstein in the Project Management Office (PMO). CPT Ornstein will serve as the DOHRS Deputy Project Manager and will be responsible for the operational support and maintenance of OHMIS. We have identified Air Force and Navy representatives in the Washington D.C. region who can participate in the monthly meetings once we begin the design and development process. We will be meeting with them during the first quarter of FY98.

Be assured that we in the DOHRS Project Office are striving to continue the DOHRS migration effort. We welcome your comments, salute your hard work in defining your requirements, and look forward to working with you in the future.

Bill Monk

Introductory Message From the DOHRS Deputy Project Manager

I am fortunate to be assigned to the DOHRS Project Office during this time of change. During my tenure as the DOHRS Deputy Project Manager and OHMIS Program Manager at USACHPPM, I will ensure that the “users” of DOHRS/OHMIS are always my number one priority. Depending on funding, FY98 should be a very productive year for DOHRS and OHMIS.

HHIM. We successfully deployed the HHIM 3.0 in FY97. In FY98, dependent upon funding, we plan an interim change package (ICP) to add additional performance and functional requirements requested by users. One of the biggest improvements will be performance. The 16-bit Informix® (Informix Software, Menlo Park, California) data base will be replaced with a 32-bit version, taking full advantage of the Windows 95® (Microsoft Corp., Redmond, Washington) operating system. Performance improvements will also include a memory upgrade and Microsoft Office 97® (Microsoft Corp., Redmond, Washington) upgrade. Additionally, functionality changes will be made in the *customized reporting function*, *comments section*, *ergonomics addition*, and possibly the *homogeneous exposure group addition*. Most importantly, it is a goal of the DOHRS to have all of the HHIM systems connected to local area networks to allow full Internet and World Wide Web capability. Then users will have access to a myriad of OH and safety

references. I will be working very closely with the HHIM Functional Manager, Dennis Morgan, to ensure that the users receive a product that is beneficial to them.

During FY98, the DOHRS will begin the arduous task of generating a DOHRS-IH model from the DOD IH Functional Requirements Document. We will look at merging functional pieces from existing Army, Navy, and Air Force systems along with commercially available software products. At the end of the migration period, the DOHRS will be the only IH automation system throughout DOD. Future versions of DOHRS-IH should feature fully integrated Web-browser technology and the use of palm-pad computer technology using problem-knowledge couplers.

HEARS. During FY98, the HEARS will migrate to the EAR3-A system, the first DOHRS system component to successfully integrate Army, Navy, and Air Force requirements. The EAR3-A will be the model for future migration projects within the DOHRS. Cooperation among all three services and a commitment to work toward a common goal ensured the successful integration of triservice requirements.

MIM. Recent developments within the CBA at DOD HA will have a significant impact on the Medical Information Module

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(MIM). The CAE System will be deployed to all clinicians within the DOD MHSS. There will no longer be a need for a separate MIM system. The OH community will have one computer system with full integration into not only the CHCS, but also all other automated clinical systems. The functional requirements of the Medical Screening Matrix (MSM) and exposure data access will need to be developed as specialty requirements and subsequently integrated into the CAE System. Current solutions to the MSM may incorporate the use of problem-knowledge couplers in conjunction with readily accessible summarized data

bases of chemical, physical, and biological hazards.

Again, I look forward to serving the DOHRS/OHMIS user community. With the advances in technology and triservice cooperation, the next few years will bring many changes in the way in which occupational information is processed. These changes will make the DOHRS a tool to assist OH professionals. POC: CPT(P) Alex Ornstein, USACHPPM, DSN 584-2926 or commercial 410-671-2926; or electronic mail to cpt_alex_ornstein@chppm-ccmail.apgea.army.mil

Message From the DOHRS Project Customer Support Manager

I am Louis (Lou) Chiasson, and I have been with the OHMIS/DOHRS Project Office for a year now. I am retired from the U.S. Army and spent my last five years of duty as the Chief of Logistics at the U.S. Army Environmental Hygiene Agency.

Our goal in the DOHRS Project Office is to provide you with the best support possible. We will seek innovative approaches to tackle problems and to make future equipment deployments hassle-free. I look forward to my association with a fine group of professionals as we work toward these goals.

Training. Training as we know it will no longer be. A needs assessment will determine how future training will be conducted. We anticipate less centralized platform training and more automated instruction. We are pursuing a CBT format. Dyncorp has conducted a training needs assessment for the HHIM 3.0, and the DOHRS Project Office is developing a CBT program for the HHIM. The program will be interactive and definitely user-friendly. Dennis Morgan, HHIM Functional Manager, has been working with Dyncorp to develop this CBT program. We will keep you posted on their progress.

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Help Desk Support. The DOHRS Project Office will use the TMSSC for help desk support rather than the Fort Detrick Directorate of Information Management (DOIM). The mission of the TMSSC is to provide world-class support to triservice users of DOD standard medical information systems through a single point of contact. The TMSSC currently supports the CHCS, the Ambulatory Data Systems (ADS), the Defense Blood Standard System (DBSS), the Theater Defense Blood Standard System (TDBSS), the Defense Medical Logistical Standard Support (DMLSS), the Prime Vendor (PV), the Patient Administration Systems and Biostatistics Agency (PASBA), the Corporate Executive Information System (CEIS), the Preventive Health Care System (PHCS), the Euro-CHCS, GT Products, the Banyan Vines and the CHCS II. Look for trouble line numbers and more information in a future issue of the news bulletin.

OHMIS/DOHRS Hardware Maintenance . The OHMIS/DOHRS Project Office will fund maintenance on OHMIS/DOHRS equipment currently under warranty when the warranty period expires. The TMSSC will handle all support for hardware and software maintenance. Call TMSSC regarding all OHMIS/DOHRS-related problems..

Anti-Virus Programs . Anti-virus programs are handled at the installation level and are free of cost under Government contract. Your local information management officer is responsible for this support.

Surge Protectors Used with Back-UPS . The Back-UPS (uninterrupted power supply) is not designed to work with a surge protector plugged into its output. Virtually all high-quality surge protectors have capacitors connected directly across the alternating current (AC) line to “eat up” spikes. These capacitors also “eat up” the spikes on the rising and falling edges of the output waveform of a stepped sine wave output UPS (when on battery). This means that the UPS must provide huge amounts of current to both charge and discharge the capacitor. UPS models up to 600 VA are only designed to operate properly with up to 2-3 microfarads (uf) of capacitors contained in computer power supplies. A high-quality surge capacitor may have well over 5 uf of capacitors connected directly across the line. This may cause the inverter to go to its maximum limit and shut down, or there may be a severely reduced run time and/or failure of the capacitor discharge circuit (also known as the “clamp circuit”).

If you wish to have extra surge protection, plug the surge protector into the wall outlet, plug the UPS directly into the wall (or into the surge protector), and then plug the computer loads into the UPS. You should never plug surge protectors or AC line regulators into the output of the UPS. These should always be installed as outlined above.

Bottom line: Never plug any surge protector, including line conditioners or outlet strips, into the output of the UPS.

Reminders. When a new piece of hardware is received, be sure to follow all installation instructions provided with the equipment. It

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is very important for overseas personnel to check the voltage switch on the back of the machine to be sure the voltage is set for the power provided in your area.

Please notify the help desk when work has been completed on call tickets so the call ticket can be closed out.

The DOHRS News Bulletin is posted on the Internet. The Web page address for the DOHRS Project Office is <http://chppm-www.apgea.army.mil/ohmis/> If you are able

to access our Web page, please notify me so we can remove you from the hard copy mailing list. If you cannot access the Internet but have an electronic mail address, please forward your address to the DOHRS Project Office. These measures can help save money during these times of austere funding.

POC: Mr. Louis Chiasson, USACHPPM, DSN 584-2926 or commercial 410-671-2926; or electronic mail to louis_chiasson@chppm-ccmail.apgea.army.mil.

HHIM 3.0 Development

The OHMIS HHIM 3.0 Programming Team completed the Phase 2 software during October 1996, the Pre-beta software during November 1996, the Beta software during January 1997, the Beta Update 1 software during February 1997, the Beta Update 2 software during March 1997, and the Final software during May 1997. Industrial hygiene professionals from the OHMIS HHIM 3.0 User Advisory Group, Fort Stewart and Fort Polk, participated in Phase 2 software testing during November 1996, and 12 sites performed Pre-beta and Beta software testing during the November 1996 through April 1997 time frame. Of these 12 sites, 8 were in the Continental United States (CONUS) and 4 were outside the

Continental United States (OCONUS). During June 1997, the HHIM 3.0 Final software was successfully implemented internationally at more than 90 sites on more than 200 pen-based computer (PBC) systems and more than 190 desktop workstation systems. The key to our success is the involvement of users during all phases of development. For additional information, double click on the "Welcome to HHIM 3.0" icon in the HHIM 3.0 program folder on your HHIM desktop workstation or PBC system. POC: Mr. Dennis Morgan, USACHPPM, DSN 584-2439 or commercial 410-671-2439; or electronic mail to dennis_morgan@chppm-ccmail.apgea.army.mil

HHIM PBC Development

Thanks to those of you who took the time to fill out the OHMIS HHIM PBC Customer Satisfaction Questionnaire. Your comments and suggestions mean a lot to us, and will help us to develop PBC product refinements that will benefit the Army IH community. Almost everyone agreed that improvements are needed to make data entry easier and faster. Two-way data transfer capabilities are included with the HHIM 3.0 software to improve communication between the PBC and the HHIM desktop systems. Also, data entered into the PBC will always be available

in a drop-down menu format to be selected with a mere tap of the pen. Both of these features combine to greatly enhance the HHIM user's ability to capture survey data in the field. If you use the HHIM PBC but did not receive a questionnaire, and you would like to participate in the survey, please contact Mr. Dennis Morgan. POC: Mr. Dennis Morgan, USACHPPM, DSN 584-2439 or commercial 410-671-2439; or electronic mail to dennis_morgan@chppm-ccmail.apgea.army.mil

American Industrial Hygiene Association Information Technology Symposium 1997

Dennis Morgan, Brenda Wolbert, Greg Owens, and Greg Opheim coauthored a paper for the first-ever American Industrial Hygiene Association (AIHA) Information Technology Symposium in Dallas, Texas. Morgan, Wolbert, and Owens represented USACHPPM; Opheim is from Madigan Army Medical Center (MAMC). Opheim presented the paper entitled "Occupational Health Management Information System (OHMIS) Health Hazard Information

Module (HHIM) Desktop and Pen-Based Computer Software ... A Solution to Industrial Hygiene Data Management." The authors submitted the manuscript for publication in the *AIHA Journal*, and are anxiously awaiting the results of the double-blind peer review. POC: Mr. Dennis Morgan, USACHPPM, DSN 584-2439 or commercial 410-671-2439; or electronic mail to dennis_morgan@chppm-ccmail.apgea.army.mil

American Industrial Hygiene Conference and Exposition 1997

The OHMIS HHIM Exhibit Booth was a resounding success at the first-ever Technology Pavilion during the American Industrial Hygiene Conference and Exposition (AIHCE) in Dallas, Texas. Many were impressed with the high-quality HHIM products. Representatives from the following organizations stopped by for demonstrations.

- The U.S. Air Force
- The U.S. Navy
- The U.S. Department of the Interior
- The U.S. Department of Labor
- The Mine Safety and Health Administration
- The Metropolitan Water District of Southern California
- The Kerr-McGee Corporation
- Battelle
- 3M

- ARCO
- The University of Massachusetts at Lowell

During the conference, Greg Opheim of MAMC was named to the AIHA Exposure Assessment Strategies Committee. Dennis Morgan of USACHPPM was named to the Joint American Conference of Governmental Industrial Hygienists (ACGIH)-AIHA 2nd Conference on Occupational Exposure Data Bases Organizing Committee. Morgan also authored a paper and conducted a presentation during the Chemical Exposure from Hazardous Waste Operations Technical Session. POC: Mr. Dennis Morgan, USACHPPM, DSN 584-2439 or commercial 410-671-2439; or electronic mail to *dennis_morgan@chppm-cmail.apgea.army.mil*

Warranty Information

Many users are unaware of the warranty services coordinated by the OHMIS Help Desk. The Help Desk is responsible for all warranties concerning Micron® (Micron Electronics, Inc., Nampa, Idaho) hardware. The warranty is valid for three years as long as no one tampers with the hardware.

If you are experiencing any difficulties with your Micron hardware, please contact the OHMIS Help Desk at DSN 240-4150 or commercial 210-536-4150, or CONUS (800) 600-9332, or OCONUS AT&T International Access + (800) 981-5339.

90-Megabyte Bernoulli[®] Cartridges for HHIM-to-MIM Data Transfer

During February 1997, OHMIS distributed 90-megabyte (MB) Bernoulli (Iomega Corp., Roy, Utah) cartridges to each HHIM site to facilitate the HHIM-to-MIM data transfer. Why 90-MB Bernoulli cartridges? Because the MIM system

cannot access a 150-MB Bernoulli cartridge. If you need additional 90-MB Bernoulli cartridges, contact GTSI at 1-800-999-4874 to place an order. The cost is \$92 per cartridge or \$367 for a five-pack.

Introducing “#IH News”

In 1994, the USACHPPM IH Management Program created an electronic mailing list known as INDUSTHYG to disseminate the *Army Industrial Hygiene Program Newsletter* and IH job announcements to the IH community worldwide. Over the past three years, INDUSTHYG has grown to include over 950 IH professionals from the Army, the Navy, the Air Force, educational institutions, and the private sector. In addition to the newsletter and job announcements, INDUSTHYG also distributes Monthly Regulatory Summaries, IH training opportunities, and other items of interest related to IH.

The time has come to bring INDUSTHYG up to speed technologically. Effective 1 July 1997, INDUSTHYG became a cc:Mail[®] (Lotus Development Corp., Cambridge, Massachusetts) mail list and has a new address. The new address is “#IH News”@chppm-ccmail.apgea.army.mil.

This address must be typed exactly as it appears **with the quotes included**. All of the guidelines for the usage of the mail list remain the same. The IH Management Program asks that you continue to notify the “#IH News” administrator if you have an item of interest to be posted. The new mail list, “#IH News,” will be more user-friendly and should allow for more flexibility in the transmission of files. The USACHPPM IH Management Program is very excited about this electronic transition. “#IH News” will continue to serve the IH community with valuable, up-to-date IH information.

All of the current INDUSTHYG members have automatically been transferred to “#IH News.” You **do not** need to send a request for inclusion in “#IH News” if you were a member of INDUSTHYG. If you or someone you know would like to become a member of “#IH News,” please submit a subscription request via cc:Mail

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to Ms. Brenda Wolbert. Include your name, hard copy mailing address, phone number, and electronic mail address.

The “#IH News” upgrade is transparent to the members of the mail list. Your

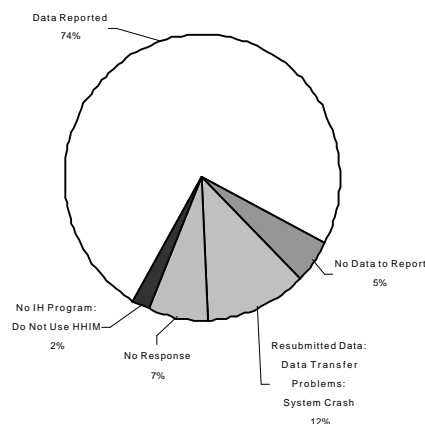
patience and cooperation in this endeavor are greatly appreciated! POC: Ms. Brenda Wolbert, USACHPPM, DSN 584-2439 or commercial 410-671-2439; or electronic mail to *brenda_wolbert@chppm-ccmail.apgea.army.mil*

OHMIS HHIM Data Call Statistics

In January 1997, we completed the OHMIS HHIM data call upload. The OHMIS HHIM Functional Team is proud to announce a **FY97 data call compliance rate of 74 percent**, an increase of 7 percent from FY96! In addition, 100 percent of the HHIM sites claim to have an IH program in place compared to 96 percent in FY96. Also, all those sites experiencing disk errors managed to resubmit their data to the DOIM at Fort Detrick, Maryland, by the data call suspense date. Way to go! Thanks to all of you for your efforts.

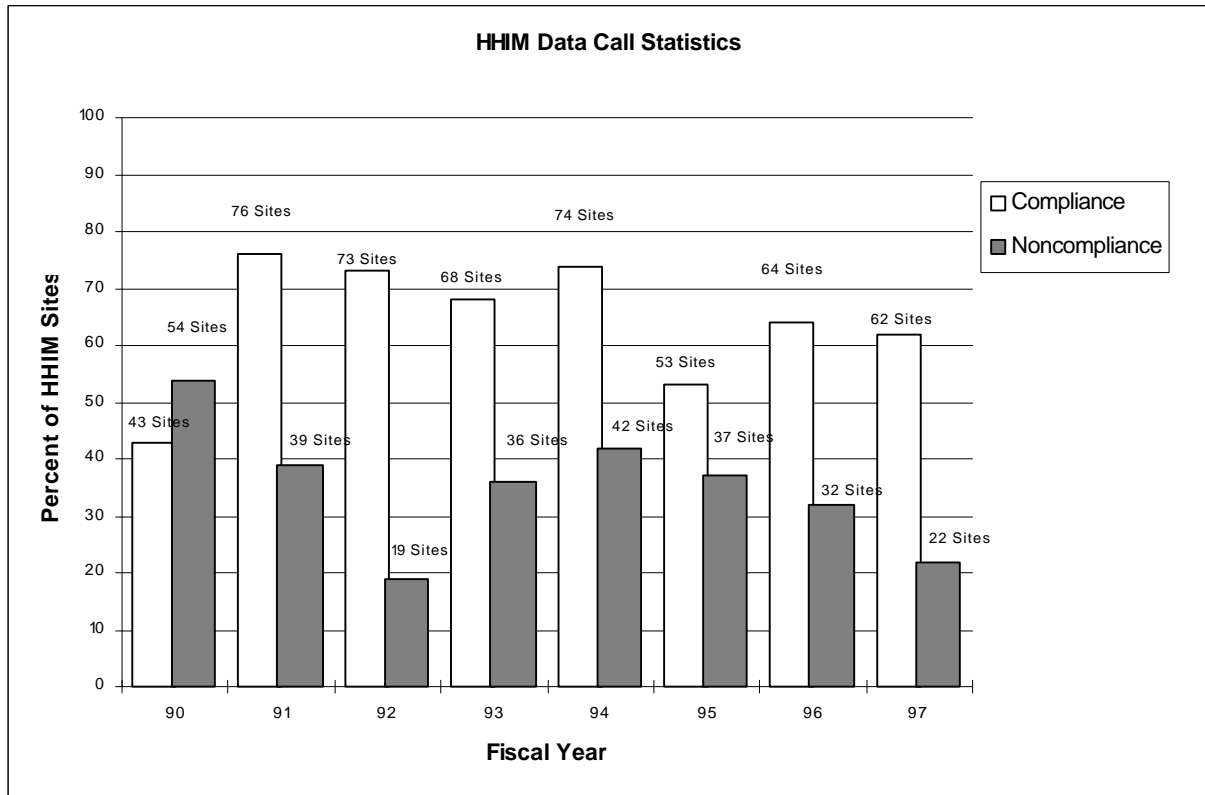
Compliance with the HHIM data call is achieved when each HHIM site provides current and complete HHIM data as requested. Conversely, **noncompliance** results when HHIM data for the data call year is missing or an HHIM site ignores the data call request. Noncompliance also includes HHIM sites that need to resubmit data, or that experience data transfer difficulties, or that do not have an assigned industrial hygienist, etc. The following pie chart illustrates FY97 HHIM data call compliance and noncompliance.

FY 97 HHIM Data Call Statistics



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Based on the definitions of compliance and noncompliance, the following graph outlines the HHIM compliance and noncompliance trend over the past eight fiscal years. Note that we have experienced a welcomed increase in HHIM data call compliance over the past three years! With your participation and hard work, we hope to continue this trend in FY98.



Assuming a normal distribution of the existing data call statistics, the HHIM Functional Team expects the Army IH Program to achieve a compliance rate between 56 percent and 86 percent for FY98. We expect to continue to see an increase in the compliance rate in FY98 due to increased user familiarity with PBCs and the deployment of new hardware during the 1997 calendar year. We steadfastly believe that these advancements, combined with growing

user enthusiasm, will help us to attain a higher compliance rate in FY98. Of course, the goal of 100 percent compliance is not out of reach! **You** can make 100 percent compliance a reality in FY98!

Remember, **your** HHIM data are valuable to IH, OH, safety, and environmental programs throughout the Federal Government. Your compliance with the HHIM data call provides valuable data to maintain an accurate and current HHIM

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mainframe. The HHIM Functional Team urges you to keep up the great work!
POC: Ms. Brenda Wolbert, USACHPPM,
DSN 584-2439 or commercial 410-671-

2439; or electronic mail to
*brenda_wolbert@chppm-ccmail.apgea.
army.mil.*

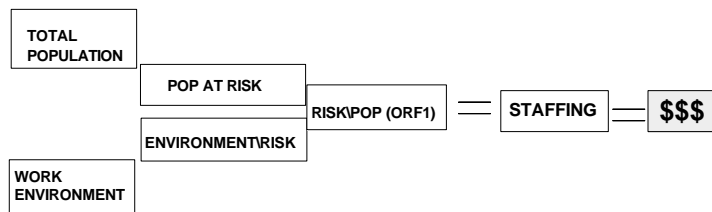
OHMIS HHIM Mainframe Data are Hard at Work

The list of OHMIS HHIM mainframe clients is getting larger. The installation industrial hygienists often ask the HHIM Functional Team about what happens to their HHIM data when they comply with the OHMIS HHIM data call. After being uploaded onto the OHMIS HHIM corporate mainframe at Fort Detrick, the HHIM Data Base Analyst, Ms. Brenda Wolbert, uses the data to prepare specialized, tailored reports for a wide variety of customers. These reports are used to make crucial decisions at the U.S. Army Medical Command (MEDCOM), the Office of The Surgeon General (OTSG), USACHPPM, and in the private sector. The report production numbers reflect a growing interest in the OHMIS HHIM mainframe data. For example, in 1993, only 33 mainframe reports were completed, compared to a projected 120 in 1997. **Your** OHMIS HHIM mainframe data **ARE** important to IH, OH, and environmental programs throughout the Federal Government. Below we highlight three uses of the OHMIS HHIM mainframe data.

Profile No. 1. In July 1995, the MEDCOM Resource Management Office asked the IH Management Program to develop HHIM mainframe reports that would extract information on health-significant operations Army-wide. Specialized HHIM mainframe reports were delivered to the MEDCOM Resource Management Office. These reports included information on: operations; chemical, physical, and biological hazards; workers; exposure estimates; sampling results; personal protective equipment; hazard control; equipment; calibration records; and many other useful data elements contained in the HHIM. This information is currently being used to develop a capitation model that can be applied to OH activities. Capitation is a method of payment for health care services in which the provider accepts a fixed amount of payment per subscriber and per period of time (typically in monthly increments) in return for providing all specified services over a specified time period. This proposed capitation model will be used to allocate fiscal and human resources to OH programs.

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The Proposed Capitation Model



The proposed capitation model uses the types of operations included in the HHIM (i.e., heavy and light industrial, administrative, hospital, laboratory, training) and risk assessment codes (RACs). The amount of risk is divided by the population to generate an occupational risk factor (ORF). The ORF is derived from the number of people potentially exposed in each RAC category. The ORF provides information that will translate into the human and fiscal resources required to abate and/or control risks in work environments.

Profile No. 2. The Department of the Army Surgeon General Services has repeatedly contacted the USACHPPM IH Management Program to obtain HHIM mainframe data. The most recent request specified the need for information to demonstrate that OHMIS and the Army IH Program support the needs of the soldiers and readiness. A report describing the number of military personnel surveyed for the past eight calendar years was delivered in June 1997. It is expected this mainframe report will develop into additional requests. The military personnel counts will be used to address military readiness issues and the health and safety of the

soldiers. The military readiness assessments based on the HHIM mainframe data will potentially affect the allocation of OH dollars at the installation level.

Profile No. 3. The USACHPPM IH Management Program is currently addressing the needs of a new customer, the USACHPPM Endocrine Disrupter Working Group (EDWG). The EDWG was established to address potential areas of concern dealing with endocrine-disrupting chemicals (EDCs) and their impact on the U.S. Army and DOD. The EDWG has requested operation-specific information based on a select group of hazards. The initial recommendations of the working group will be based on the number of operation occurrences as well as the number of potentially-exposed personnel by male and female and category classifications. The mission of the EDWG is to provide health risk/hazard analysis recommendations and information to determine methodologies to identify and screen chemicals for endocrine-disrupting properties and to establish guidelines for incorporating epidemiological methods into the evaluation of EDCs and their impact on Army health.

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The HHIM mainframe data are successfully being used to address the changing preventive medicine requirements of the U.S. Army and DOD. The HHIM mainframe data are gratefully received by the customers who request them. However, without your continued compliance with the OHMIS HHIM data call at the installation level, the IH Management Program will be unable to

continue to deliver high-quality, up-to-date, tailored OHMIS HHIM mainframe reports. Look for more HHIM mainframe report profiles in the next issue of the DOHRS News Bulletin. POC: Ms. Brenda Wolbert, USACHPPM, DSN 584-2439 or commercial 410-671-2439; or electronic mail to *brenda_wolbert@chppm-ccmail.apgea.army.mil*.

A New Name

As you know, the DOD HEARS has been renamed EAR3-A. Our new name reflects the use of automated hearing testing and the DOD Hearing Conservation Programs

(HCPs) to improve the **readiness** of our military and civilian forces.

EAR3-A Update

The **EAR3-A Proof-of-Concept** (PoC) model was delivered on 3 January 1997, right on time. The PoC was the first step in developing our new software, validating our requirements and demonstrating the look and basic function of the proposed EAR3-A software. We demonstrated this model at the Navy Occupational Health and Preventive Medicine Workshop, 7-14 February 1997, and the Military Audiology Short Course, 24-27 February 1997. The demonstrations were well received, showcasing the input and assistance **you**,

the current HEARS users, have provided for this new product.

Programming of the EAR3-A software began in March 1997. Great progress has been made toward creating a versatile, user-friendly application. As we told you in previous editions of the news bulletin, the EAR3-A software is a Windows 95®/NT®-based application, so any training you can get in Windows 95 or Windows NT applications will help you to quickly adapt to the EAR3-A software.

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The EAR3-A Management Board and users from each service performed software acceptance testing at USACHPPM during the first quarter. The software will be pilot-tested at limited triservice sites. The software will be distributed DOD-wide following this testing period.

We are currently addressing the issue of how to provide training for the EAR3-A software. This presents us with a challenge given our very limited resources. Do not be surprised if innovative means of training are offered, such as on-screen tutorials, video teleconferences, CBT, and increased help desk support.

®Windows 95 and Windows NT are registered trademarks of Microsoft Corp., Redmond Washington.

GREAT NEWS!!! We have obtained funding to replace the current Army National Guard (ARNG) HEARS computers with hardware comparable to what was distributed to Active-duty Army HEARS sites last FY. Navy Active-duty and Reserve HEARS/EAR3-A sites, as well as most Air Force Reserve and Air

National Guard HEARS/EAR3-A sites, will also receive new microprocessors. In addition, we also obtained funding to replace all microprocessor audiometers with the new MA1000. The deployment of the new audiometers and computers (where applicable) will occur with the deployment of the EAR3-A software.

*****ACTION REQUIRED: ALL Army, Air Force and Navy HEARS Users*****

Please take a minute and send your electronic mail address to your EAR3-A Management Board representative (see below). We need your electronic mail address to send out last-minute information and to help us finalize the EAR3-A equipment and deployment requirements.

Army - *Kathy_Gates@chppm-ccmail.apgea.army.mil*

Air Force - *Maj_Theresa_Schulz@chppm-ccmail.apgea.army.mil*

Navy - *LCDR_Anne_Shields@chppm-ccmail.apgea.army.mil*

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Army and Air Force HEARS Updates

***** ATTENTION *****

The next **HEARS data download** for the Army-wide mainframe data base is **due by 1 February 1998**. This download should include data from 16 July 1997 through 31 December 1997. Mail your data to:

Directorate of Information Management
ATTN: MCHD-IMO-CS (HEARS)
1422 Sultan Drive
Fort Detrick, MD 21702-5020

Help Desk

As mentioned earlier in the bulletin, help desk support has moved from the Fort Detrick DOIM to the TMSSC at Brooks Air Force Base. Direct all calls for Army and Air Force HEARS support to the TMSSC at one of the numbers below:

DSN 240-4150
Commercial (210) 536-4150
CONUS (800) 600-9332
OCONUS AT&T International
Access - (800) 981-5339

DD Form 2216 Follow-up Nos. 1 and 2

A printing "bug" was recently discovered in the DD Form 2216 Follow-up No. 1 and Follow-up No. 2 hearing test of the Army

and Air Force HEARS software. When printing out the Follow-up tests using plain paper, the printout displays the following:

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- Periodic DD Form 2216 test - prints the serial number (SN) of the audiometer used for this test.

- Follow-up No. 1 DD Form 2216 test - prints the SN of the audiometer used for the periodic DD Form 2216 test, **not** the SN of the audiometer used for the Follow-up No. 1 DD Form 2216 test.

- Follow-up No. 2 DD Form 2216 test - prints the SN of the audiometer used for the periodic DD Form 2216 test, **not** the

SN of the audiometer used for the Follow-up No. 2 DD Form 2216 test.

Your easiest solution to this problem is to use the same audiometer to complete Follow-up No. 1 and Follow-up No. 2 hearing tests for a specific individual. If this is not possible, we offer the following suggestion: Because this form is a medical-legal document, check the Follow-up No. 1 and Follow-up No. 2 audiometer SNs and change the SN, as appropriate, by crossing out the incorrect SN, writing in the correct SN, and initialing the change.

Air Force HEARS v3.15 Backup Utility Alert

A bug was discovered in the backup utility of the Air Force HEARS v3.15. This backup utility was distributed with the new Micron computers in 1996. Those active-duty sites that received the new computers during that deployment should have recently received a new backup utility from

the Technical Information Center at Fort Detrick. It is vital that this new utility be installed to prevent catastrophic data loss! If you have any questions, please contact MAJ Theresa Schulz at DSN 584-3797 or commercial 410-671-3797.

Hearing Conservation Workshops

The next Hearing Conservation Workshops have been tentatively scheduled. Hopefully, we will offer four courses between 27 April and 21 May 1998; however, this will depend on the availability of funding and the status of the EAR3-A development and deployment effort. Please contact the Hearing

Conservation Program Office for additional information after January 1998. POC: Dr. Don Ciliax, USACHPPM, DSN 584-3797 or commercial 410-671-3797; electronic mail to don_ciliax@chppm-cmail.apgea.army.mil

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FYI

The Computer/Electronic Accommodations Program Technology Evaluation Center (CAPTEC) can provide you with information on making the DOD work environments more accessible to

DOD employees with visual, hearing, dexterity, and cognitive impairments. Contact CAPTEC at 703-681-8812 for additional information.

Army HEARS Zip Codes

Please review the following **Army HEARS Valid Zip Code List**. We are requesting confirmation of the zip codes listed. Please send changes or a negative reply to MAJ Gates via electronic mail, or fax MAJ Gates at DSN 584-1325 or commercial 410-671-1325 no later than 14 February 1998. If your installation zip code has changed, **you** need to contact the Hearing Conservation Program at DSN 584-3797 or commercial 410-671-3797 as soon as possible. This will help to ensure that the records you forward to the mainframe will be credited to your installation and that your compliance will accurately reflect your work.

Army HEARS Valid Zip Code List

00820 'Virgin Islands NGB'
00904 'Puerto Rico NGB'
00934 'Ft Buchanan'
01433 'Ft Devens' ----- CLOSED
01760 'Natick Labs'
01867 'Massachusetts NGB'
02172 'Army Research Lab'
02904 'Rhode Island NGB'

03301 'New Hampshire NGB'
04333 'Maine NGB'
05446 'Vermont NGB'
06096 'Connecticut NGB'
07002 'Bayonne Mil Ocean Terminal'
07703 'Ft Monmouth'
07806 'Picatinny Arsenal (ARDEC)'
08628 'New Jersey NGB'
08640 'Ft Dix'
09025 'Schwaebisch Hall' ----- INACTIVE
09026 'Wildflecken' ----- CLOSED
09028 'Sandhofen'
09031 'Kitzingen'
09033 'Schweinfurt - 24th Med Det'
09034 'Baumholder'
09035 'Neu-Ulm' ----- INACTIVE
09036 'Leighton Barracks'
09039 'Drake-Edwards Kaserne' - CLOSED
09041 'Munich' ----- CLOSED
09044 'Bindlach' ----- INACTIVE
09045 'Kirchgoens'
09046 'Boeblingen (Panzer)' ----- CLOSED
09047 'Wertheim' ----- INACTIVE
09050 'Bad Toelz' ----- INACTIVE
09053 'Garmisch' ----- N/A
09058 'Worms' ----- INACTIVE
09061 'Nellingen' ----- CLOSED

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09066 'Erlangen' ----- INACTIVE	09182 'Giebelstadt'
09068 'Monteith Barracks' ----- INACTIVE	09185 'Wackernheim'
09069 'Bremerhaven / Garlstadt' - CLOSED	09189 'Muenchweiler' ----- CLOSED
09070 'Pinder Barracks' ----- INACTIVE	09222 'Nuernberg - Johnson / Darby
09071 'Amberg' ----- INACTIVE	Kaserne' ----- CLOSED
09073 'Goepplingen' ----- CLOSED	09226 'Schweinfurt - Conn Barracks'
09074 'Friedberg'	09227 'Kaiserslautern'
09076 'Buedingen'	09235 'Berlin MEDDAC / McNair
09077 'Butzbach'	Barracks' ----- CLOSED
09086 'Mannheim'	09239 'Crailsheim' ----- INACTIVE
09089 'Babenhausen'	09242 'Frankfurt' ----- CLOSED
09091 'Gelnhausen' ----- CLOSED	09244 'Wuerzburg'
09093 'Merrell Barracks' ----- INACTIVE	09250 'Katterbach'
09096 'Wiesbaden'	09252 'Bad Kreuznach'
09098 'Bad Aibling'	09260 'Neubreucke' ----- INACTIVE
09102 'Heidelberg'	09262 'Idar-Oberstein' ----- CLOSED
09105 'USAH Nuernberg' ----- CLOSED	09264 'Ansbach' ----- INACTIVE
09107 'Kelley Barracks (+ Ecterdingen	09265 'Bad Kissingen' ----- INACTIVE
Air Field)	09267 'Ettlingen' ----- INACTIVE
09110 'Dexheim'	09268 'Herzo Base' ----- INACTIVE
09112 'Vilseck'	09269 'Weisbaden'
09114 'Grafenwoehr'	09275 'Knielinger' ----- INACTIVE
09123 'Spangdahlem' ----- CLOSED	09279 'Pattonville' ----- CLOSED
09131 'Stuttgart - Patch Barracks'	09281 'Schwaebisch Gmuend' ---- CLOSED
09132 'Bitburg' ----- INACTIVE	09613 'Livorno - Darby Health Clinic'
09139 'Bamberg'	09630 'Vicenza'
09140 'Illesheim'	09703 'Brunssum, The Netherlands' ----
09141 'Bad Hersfeld' ----- CLOSED	----- INACTIVE
09142 'Schwabach' ----- INACTIVE	09705 'SHAPE'
09146 'Fulda' ----- CLOSED	09724 'US NATO Clinic, Brussels'
09154 'Robinson Barracks'	09820 'Sinop, Turkey' ----- INACTIVE
09162 'Aschaffenberg' ----- INACTIVE	10996 'West Point'
09164 'Karlsruhe' ----- CLOSED	11252 'Ft Hamilton'
09165 'Hanau / Fliegerhorst'	12110 'New York NGB'
09169 'Giessen' ----- CLOSED	12189 'Watervliet Arsenal'
09173 'Hohenfels'	13602 'Ft Drum'
09175 'Darmstadt'	14541 'Seneca AD'
09176 'Heilbronn' ----- INACTIVE	17002 'Pennsylvania NGB'
09178 'Augsburg'	17003 'Ft Indiantown Gap'
09180 'Landstuhl'	17013 'Carlisle Barracks'

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17201 'Letterkenny AD'	34004 'Ft Clayton'
18466 'Tobyhanna AD'	35809 'Redstone Arsenal'
19808 'Delaware NGB'	36109 'Alabama NGB'
20003 'District of Columbia NGB'	36201 'Anniston AD - MIP Study
20307 'WRAMC'	Group I' ----- Use 36201
20310 'Pentagon 1E356'	36202 'Anniston AD - MIP Study
20816 'Defense Mapping Agency'	Group II' ----- Don't Use
20319 'Ft McNair'	36203 'Anniston AD - MIP Study
20755 'Ft Meade'	Group III' ----- Don't Use
20783 'Adelphi Laboratory Center'	36204 'Anniston AD - Control Group'
20816 'Defense Mapping Agency' -DOD	-----Don't Use
21005 'Aberdeen Proving Ground'	36205 'Ft McClellan'
21010 'Edgewood Area (APG)'	36362 'Ft Rucker'
21201 'Maryland NGB'	37204 'Tennessee NGB'
21702 'Ft Detrick'	39296 'Mississippi NGB'
21719 'Ft Ritchie'	40121 'Ft Knox'
22060 'Ft Belvoir'	40475 'Blue Grass Army Depot'
22186 'Vint Hill Farms Station' -- CLOSED	40601 'Kentucky NGB'
22211 'Ft Myer'	42223 'Ft Campbell'
22304 'Cameron Station' ----- CLOSED	43235 'Ohio NGB'
22427 'Ft A. P. Hill'	46216 'Ft Benjamin Harrison' ---- CLOSED
23219 'Virginia NGB'	46241 'Indiana NGB'
23459 'Ft Story'	47250 'Jefferson Proving Ground'-CLOSED
23604 'Ft Eustis'	47522 'Crane Army Ammunition Activity'
23651 'Ft Monroe'	48045 'Selfridge USAHC'
23801 'Ft Lee'	48397 'Tank Automotive Command'
23824 'Ft Pickett'	48913 'Michigan NGB'
25311 'West Virginia NGB'	50131 'Iowa NGB'
27607 'North Carolina NGB'	53708 'Wisconsin NGB'
28307 'Ft Bragg'	54656 'Ft McCoy'
28461 'Sunny Point Mil Ocean Terminal'	55155 'Minnesota NGB'
29201 'South Carolina NGB'	57702 'South Dakota NGB'
29207 'Ft Jackson'	58506 'North Dakota NGB'
30316 'Georgia NGB'	59604 'Montana NGB'
30330 'Fts McPherson and Gillem'	60037 'Ft Sheridan' ----- CLOSED
30905 'Ft Gordon'	61074 'Savanna AD'
31314 'Ft Stewart'	61299 'Rock Island Arsenal'
31409 'Hunter Army Airfield'	62702 'Illinois NGB'
31905 'Ft Benning'	63103 'St Louis Support Area'
32085 'Florida NGB'	63120 'St Louis AAP'

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65101 'Missouri NGB'	93928 'Ft Hunter-Liggett'
65473 'Ft Leonard Wood'	93941 'Fts Ord & Monterey' ----- CLOSED
66027 'Ft Leavenworth'	94129 'Presidio of San Francisco' -CLOSED
66442 'Ft Riley'	94568 'Camp Parks'
66601 'Kansas NGB'	94626 'Oakland Army Base' ----- DOD
68524 'Nebraska NGB'	95813 'Sacramento AD' ----- CLOSED
70146 'Louisiana NGB'	95821 'California NGB'
71459 'Ft Polk'	96113 'Sierra AD'
71602 'Pine Bluff Arsenal'	96205 'Yongson'
72199 'Arkansas NGB'	96208 'Camp Page'
72905 'Ft Chaffee'	96213 'Camp Walker'
73111 'Oklahoma NGB'	96218 'Taogu 543rd'
73503 'Ft Sill'	96224 'Camp Casey'
74501 'McAlester AAP'	96251 'Camps Edward, Greaves, & Pelhama'
75507 'Red River AD'	96257 'Camp Stanley'
76544 'Ft Hood'	96258 'Camps Red Cloud'
78234 'Ft Sam Houston'	96259 'Camp Hialeah - Pusan 545th'
78419 'Corpus Christi AD'	96260 'Camp Carroll'
78763 'Texas NGB'	96271 'Camp Humphreys'
79916 'Ft Bliss'	96283 'Camp Mercer'
79920 'WBAMC'	96297 'Camp Long'
80022 'Rocky Mt Arsenal'	96305 'Johnston Atoll'
80045 'FAMC'	96343 'Camp Zama'
80011 'Colorado NGB'	96508 'Ft Greely'
80913 'Ft Carson'	96816 'Hawaii NGB'
81001 'Pueblo AD'	96857 'Schofield Barracks'
82009 'Wyoming NGB'	96859 'TAMC'
83705 'Idaho NGB'	96911 'Guam NGB'
84020 'Utah NGB'	97309 'Oregon NGB'
84022 'Dugway Proving Ground'	97838 'Umatilla AD'
84074 'Tooele AD'	98204 'Ft Loughton' ----- UNKNOWN
84407 'Defense Depot Ogden' ----- DLA	98430 'Washington NGB'
85008 'Arizona NGB'	98433 'Ft Lewis'
85365 'Yuma Proving Ground'	98901 'Yakima Firing Center'
85613 'Ft Huachuca'	99503 'Alaska NGB'
87505 'New Mexico NGB'	99505 'Ft Richardson'
88002 'White Sands Missile Range'	99703 'Ft Wainwright'
89701 'Nevada NGB'	
92310 'Ft Irwin'	

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The Center for Health Promotion and Preventive Medicine Registration/Application Request

HEARING CONSERVATION (HEARS) PROGRAM COURSES

Course Title and Number

Course Dates

Privacy Act Statement

Title 5 US Code, Section 301; Executive Order 9397 authorizes the use of your Social Security Number as an identification number. The purpose of this information is to process funding documents. Disclosure of your Social Security Number is not mandatory, however, nondisclosure may result in not being considered for central funding.

I have read the preceding Privacy Act Statement.

(Signature)

- ☐ Hearing Conservation Certification Workshop (CHPPM-5129) ☐ HEARS Management Workshop (CHPPM-5130)
☐ Hearing Conservation Recertification Workshop (CHPPM-5131)

Name: _____

Job Series/PMOS/Branch: _____

Grade/Rank: _____ SSN: _____

Job Title: _____

Gender: ☐ Male ☐ Female

Travel Status _____

Component: _____
IA, NO, USAR, CIV(GOVT), CIV(NON GOVT), NAVY, AIRFORCE, etc.

TDY, PCS, etc.

Type of Appointment (Continue Only)

☐ Career ☐ Temp ☐ Contract

Office Mailing Address: (Include Attention Line)

DSN Phone: _____

Contn Phone: _____

Fax Number: _____

E-mail: _____

Is this training required in your ACTED plan?

☐ Yes ☐ No If Yes, Enter ACTED Plan _____

1. Do you require handicapped accommodations? ☐ Yes ☐ No Do you require any other special considerations (other than dietary)?
Yes ☐ No ☐ If yes explain: _____

2. Are you requesting Center/central funding? ☐ Yes ☐ No

3. Have you been previously certified? ☐ Yes ☐ No If yes: a. Date _____ b. Certification Number _____
c. Place _____

4. a. Have you ever been trained on the HEARS? ☐ Yes ☐ No

b. Have you used the HEARS? ☐ Yes ☐ No If yes: (1.) How long? _____ (2.) In what capacity? (i.e., backup, download, data entry, hearing testing, etc) _____

c. Will you be using the HEARS at your installation? ☐ Yes ☐ No

5. Would you be able to attend on short notice if there was a cancellation? ☐ Yes ☐ No

6. ETS Date _____ How long have you been on station? _____

RETURN THIS FORM TO:
Commander
USACHPPM
ATTN: MCHB-DC-CJIC
APO, MD 21010-5422

Our Fax Number is:
DSN 584-1325 or
Contn: (410) 671-1325

It is MANDATORY that this section be filled out by your
Hearing Conservation Officer

Number of Certified Hearing Conservationists at your installation: _____

Training Justification: _____

Name (Printed or Typed) _____

Signature _____ Phone # _____

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DOHRS POCS

		DSN Number
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DOHRS Deputy Project Manager	CPT Alex Ornstein	584-2926
DOHRS Project Cust. Support Mgr	Mr. Louis Chiasson	584-2926
HHIM Functional Manager	Mr. Dennis Morgan	584-2439
IH News	Ms. Brenda Wolbert	584-2439
Hearing Conservation Workshop	Dr. Don Ciliac	584-3797
Help Desk, Brooks Air Force Base		240-4150
Technical Information Center, Ft. Detrick		584-3797

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U.S. Army Center for Health Promotion
and Preventive Medicine
Aberdeen Proving Ground, Maryland 21010-5422
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